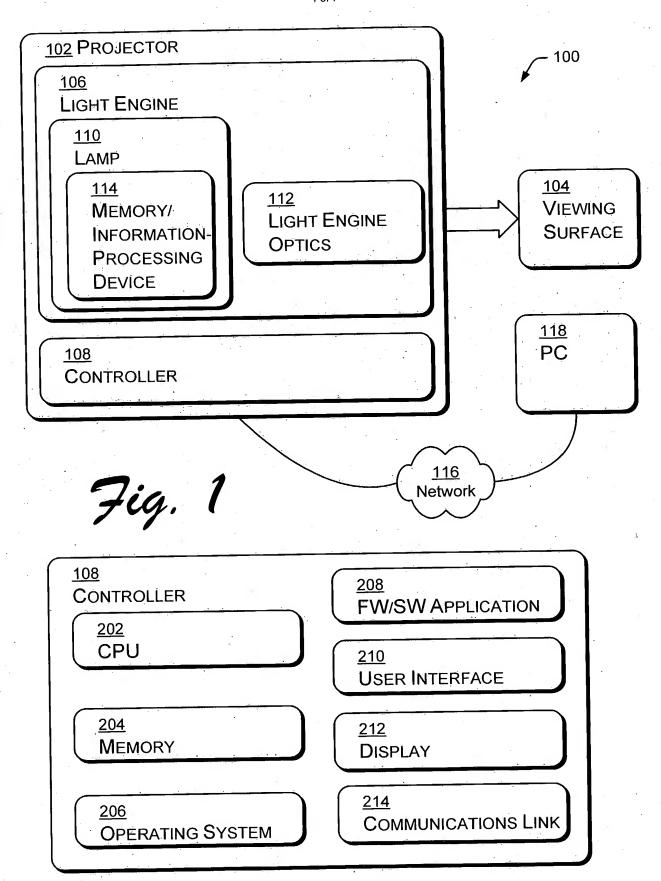
HP# 200210016 Inventor: Winthrop D. Childers Title: Projector with Consumable Component having Memory Device 1 of 7



HP# 200210016
Inventor: Winthrop D. Childers
Title: Projector with Consumable Component having Memory Device
2 of 7

114
INFORMATION-PROCESSING DEVICE

302 CPU 312 RETAIL INFORMATION

304 MEMORY 314
RECALL INFORMATION

306

OPERATING SYSTEM

316 FW/SW
UPDATE INFORMATION

308 COMMUNICATION INTERFACE LINK

318 INSTALL APPLICATION

310 LAMP LIFE APPLICATION

320 USER INTERFACE

Fig. 3

400 -

402
COUPLE A LAMP CONTAINING A
MEMORY DEVICE WITH A PROJECTOR

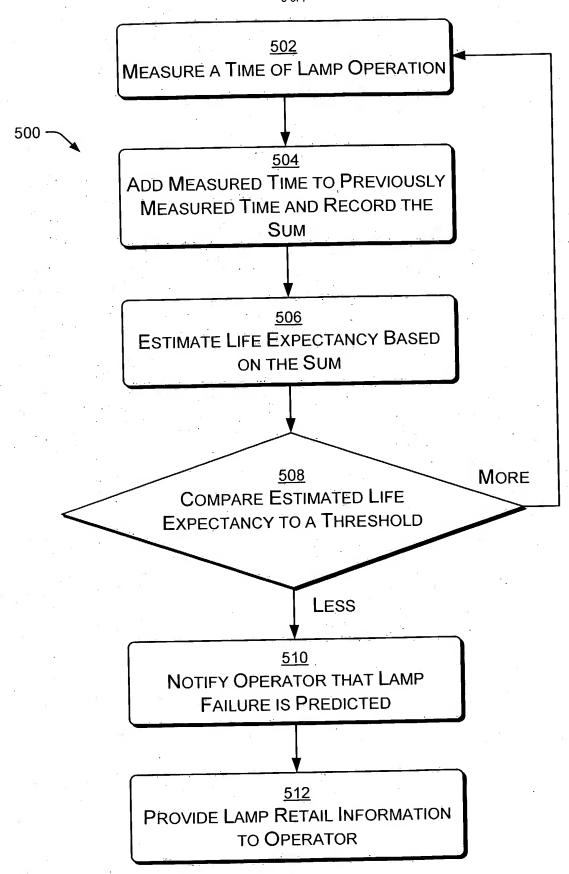
<u>404</u>

TRANSMIT INFORMATION CONTAINED ON THE MEMORY DEVICE TO THE PROJECTOR

<u>406</u>

DISPLAY INFORMATION FROM THE MEMORY DEVICE TO AN OPERATOR OF THE PROJECTOR

HP# 200210016
Inventor: Winthrop D. Childers
Title: Projector with Consumable Component having Memory Device
3 of 7



600 -

602
OBTAIN PRODUCT ID INFORMATION
FROM PROJECTOR

604
READ RECALL INFORMATION FROM
MEMORY WITHIN CONSUMABLE
COMPONENT

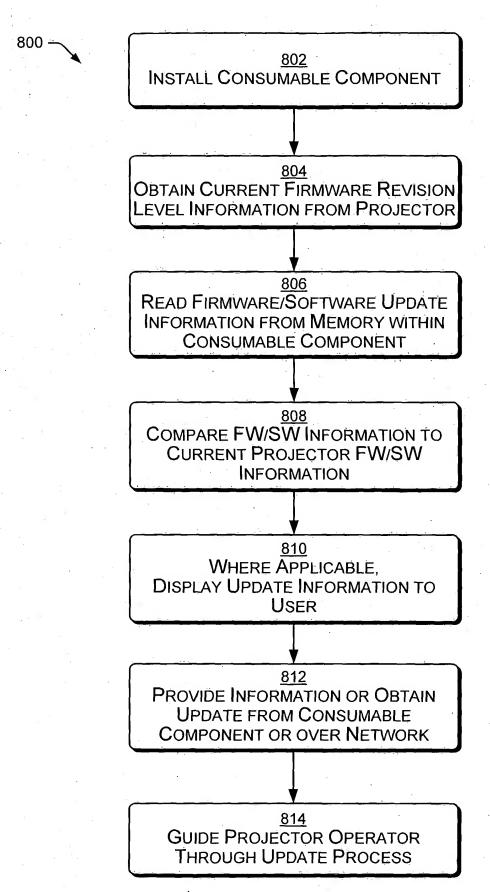
606
COMPARE RECALL INFORMATION TO
PROJECTOR MODEL IDENTIFICATION

608
WHERE APPLICABLE,
DISPLAY RECALL INFORMATION TO
OPERATOR

700 702 LOCATE A LAMP, WHILE STILL IN PACKAGING, NEAR INSTALL LOCATION ON PROJECTOR <u>704</u> ESTABLISH CONTACT BETWEEN A SMART CARD WITHIN THE PACKAGING AND THE PROJECTOR <u>706</u> CHECK PROJECTOR MODEL TYPE AND LAMP MODEL TYPE 708 CONFIRM THAT THE LAMP IS APPROPRIATE FOR INSTALLATION IN THE PROJECTOR 710

Fig. 7

NOTIFY THE OPERATOR OF THE APPROPRIATENESS OF INSTALLATION



900 -

902 Install a Lamp Having a **M**emory Device within a Projector

904
COMMUNICATE WITH A REMOTE
SERVER AT AN ADDRESS CONTAINED
WITHIN THE MEMORY DEVICE

906 OBTAIN INFORMATION FROM THE REMOTE SERVER

908
DISCLOSE THE INFORMATION TO THE
OPERATOR THROUGH OPERATION OF A
USER INTERFACE